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RESEARCH ON MINES RESCUE BRIGADESMEN’S TRAINING IN A NEW TRAINING FACILITY DESIGNED AND BUILT FOR CONFINED SPACES

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Abstract

Working in confined (limited) spaces represents a risk factor generating unwanted accidents or events, having an impact on human health. The success of intervention and rescue operations in toxic or chemical aggressive environments lies in optimal and efficient design of the training process for rescue personnel, which also includes rescue operations in confined spaces.

The paper presents the scientific research behind designing and building a complex training facility with different training tracks, having various levels of difficulty, achieved within a research project funded by the Romanian National Agency for Scientific Research, within the “NUCLEU” program. The training facility allows for simulation of intervention activities in spaces having horizontal and vertical tracks, poor visibility, high temperature and humidity environments, and so on, with the purpose of preparing intervention and rescue teams for situations similar to real life.

Keywords: confined spaces, intervention and rescue personnel, self-breathing apparatus, toxic/explosive/flammable environments, training facility

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